

Electronic Acknowledgement Receipt

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| EFS ID: | 7301789 |
| Application Number: | 10646353 |
| International Application Number: | |
| Confirmation Number: | 8603 |
| Title of Invention: | SEMICONDUCTOR HETEROSTRUCTURES HAVING REDUCED DISLOCATION PILE-UPS |
| First Named Inventor/Applicant Name: | Richard Westhoff |
| Customer Number: | 51414 |
| Filer: | Steven Howard Slater/Natalie Swider |
| Filer Authorized By: | Steven Howard Slater |
| Attorney Docket Number: | ASC-058B |
| Receipt Date: | 29-MAR-2010 |
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| Time Stamp: | 11:00:17 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|------------------------|----|
| Submitted with Payment | no |
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File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|------------------------|--|------------------|------------------|
| 1 | | TSM09-073US-AW_POA.pdf | 133780 c9e68107d60fc9b95971f815fd330ce3db4a53f8 | yes | 2 |

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| | Multipart Description/PDF files in .zip description | | |
| | Document Description | Start | End |
| | Power of Attorney | 1 | 1 |
| | Assignee showing of ownership per 37 CFR 3.73(b). | 2 | 2 |
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